

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

## **REMARKS**

### **I. Introduction**

Claims 1 to 7, 10 to 12, and 14 to 16 are currently pending in this application. In view of the following remarks, it is respectfully submitted that all of the presently pending claims are allowable, and reconsideration is respectfully requested.

### **II. Objection and Amendments to the Drawings**

The drawings were objected to under 37 C.F.R. § 1.84 (p)(5) because they do not include the reference sign for the cooling bore holes. Applicants respectfully submit that the drawings, as amended, include reference number 14 for the cooling bore holes, and therefore, overcome the present objection to the drawings.

Figure 4 has also been amended so as to narrow the cooling grooves relative to the grooves in Figure 5. No new matter has been added. See original claim 14 and the Specification, for example, at p. 5, lines 15 to 17. Therefore, withdrawal of the objection to the drawings is respectfully requested.

Figure 3 has been amended to more clearly show the varying size of the bore holes, the varying spacing between the bore holes 14 and the varying spacing of the bore holes to the cooling surface along the width of the casting die. No new matter has been added. The Specification states, for example, on page 5, lines 15 to 24 that, as with the cooling channels, the bore holes can be made narrower, spaced closer and brought closer to the pouring surface in the supercritically stressed areas on both sides of the funnel so as to make the cooling surface effectively larger in those areas. See also original claims 12 to 15.

### **III. Objection to the Specification**

The Specification was objected to under 37 C.F.R. §1.75 (d)(1) as allegedly failing to provide proper antecedent basis for the claimed subject matter.

The Office Action alleges that the terms "thickness" in claim 11 and the "reduced" in claim 10 are unclear. Specifically, the Office Action alleges that it is unclear whether the thickness are of a constant value or taper. Given the state of the prior art, Applicants respectfully submit that Applicants are not required to limit

these claims to further detail the type and manner of reduction of thickness.

With respect to claim 14, the Office Action alleges that the term “narrower” is unclear and is deemed to mean “tapering in a conical manner.” Firstly, Applicants submit that the term “narrowing,” in the context of the application, reasonably clearly conveys to one skilled in the art a reduction of width of the cooling grooves. Figures 4 and 5 have been amended to clearly show the reduction of width of the cooling grooves. Secondly, Applicants respectfully disagree with the Examiner’s asserted definition of “narrower” and submit that the ordinary definition of the verb “narrow” is “to lessen in width or extent.” See attached p. 346 of the 1998 Merriam-Webster Dictionary.

Therefore, for all of the foregoing reasons, Applicants respectfully request withdrawal of the objections to the Specification.

#### **IV. Objection to Claim 16**

Claim 16 was objected to due to an informality. Applicants respectfully submit that “a” has been deleted after “for,” as suggested by the Examiner. Therefore, withdrawal of the objection to claim 16 is respectfully requested.

#### **V. Rejection of Claims 1 to 7, 10 to 12 and 14 to 16 under 35 U.S.C. §112, 1<sup>st</sup> ¶**

Claims 1 to 7, 10 to 12 and 14 to 16 were rejected under 35 U.S.C. § 112, first paragraph, as allegedly containing subject matter which was not described in the Specification in such a way as to reasonably convey to one skilled in the relevant art that the inventors, at the time the application was filed, had possession of the claimed invention. Applicants respectfully disagree for the following reasons.

With respect to claims 1 and 16, the Office Action alleges that the new limitations “cooling bore holes running parallel to the pouring direction” contains new matter given the alleged lack of discussion in the application of the bore hole running parallel to the pouring direction. Original claim 12 states that “the casting die body has, running parallel to the pouring direction, a . . . cooling bore hole.” Therefore, Applicants respectfully submit that the recitation of “parallel” in claims 1 and 16 is not new matter. Applicants have amended the Specification to provide

direct support for this claim language.

The Office Action further alleges that the new limitation “at least one of running closer to the pouring surface, being configured narrower, and being spaced closer in at least one portion of the die body” are not clearly shown, resulting in a lack of enablement. Applicant respectfully submits that the Final Office Action’s present assertions and arguments do not reflect the proper standard for determining whether a patent application complies with the enablement requirement that the Specification describe how to make and use an invention that is defined by the claims. See M.P.E.P. § 2164 (even if a claim feature does “lack descriptive support in the disclosure,” this does not mean that the feature is not enabled; a claim feature “in and of itself may enable one skilled in the art to make and use the claim containing” the claim feature).

This standard may not be based on the subjective beliefs of an examiner, but must be based on reasonable arguments that are supported by proper evidence. The Supreme Court established the appropriate standard as requiring the establishment by proper evidence of whether **any experimentation for practicing the invention was undue or unreasonable**. See M.P.E.P. § 2164.01 (citing Mineral Separation v. Hyde, 242 U.S. 261, 270 (1916); In re Wands, 858 F.2d 731, 737, 8 U.S.P.Q.2d 1400, 1404 (Fed Cir. 1988)). Thus, the enablement test is whether “one reasonably skilled in the art could make or use the invention from the disclosures in the patent coupled with information known in the art *without undue experimentation*.” See id. (citing United States v. Teletronics, Inc., 857 F.2d 778, 785, 8 U.S.P.Q.2d 1217, 1223 (Fed. Cir. 1988)).

The Federal Circuit has also stated that there are many factors to be considered in determining whether a specification satisfies the enablement requirement. These factors include but are not limited to the following: the breadth of the claims; the nature of the invention; the state of the prior art; the level of ordinary skill; the level of predictability in the art; the amount of direction provided by the inventor; the existence of working examples; and the quantity of experimentation needed to make or use the invention based on the disclosure. See id. (citing In re Wands, 858 F.2d at 737, 8 U.S.P.Q.2d at 1404 and 1407)). The Federal Circuit has further stated that it is “*improper* to conclude that a disclosure is not enabling based on an analysis of only one of the above factors,” and that an examiner’s

analysis must “consider all the evidence related to each of these factors” so that any nonenablement conclusion “must be based on the evidence as a whole.” See M.P.E.P. § 2164.01.

Moreover, to reject the claims as not being enabling, an examiner bears the initial burden of establishing exactly why the “scope of protection provided by a claim is not adequately enabled by the disclosure.” See id. (citing In re Wright, 999 F.2d 1557, 1562, 27 U.S.P.Q.2d 1510, 1513 (Fed. Cir. 1993)). Accordingly, a specification that teaches the manner and process of making and using an invention in terms that correspond in scope to those used in describing and defining the claimed subject matter complies with the enablement requirement. See id.

In particular, to properly establish enablement or non-enablement, the Office must make use of proper evidence, sound scientific reasoning and the established law. In the case of Ex Parte Reese, 40 U.S.P.Q.2d 1221 (Bd. Pat. App. & Int. 1996), a patent examiner rejected, under the first paragraph of 35 U.S.C. § 112, application claims because they were based on an assertedly non-enabling disclosure, and was promptly reversed because the rejection was based only on the examiner’s subjective belief that the specification was not enabling as to the claims. In particular, the examiner’s subjective belief was simply not supported by any “evidence or sound scientific reasoning” and therefore ignored recent case law -- which makes plain that an examiner, and not an applicant, bears the burden of persuasion on an enablement rejection.

More particularly, the examiner in Ex parte Reese was reversed because the rejection had only been based on a conclusory statement that the specification did not contain a sufficiently explicit disclosure to enable a person to practice the claimed invention without exercising undue experimentation -- which the Board found to be merely a conclusory statement that only reflected the subjective and unsupported beliefs of a particular examiner and that was not supported by any proper evidence, facts or scientific reasoning. See id. Moreover, the Board made clear that it is “incumbent upon the Patent Office . . . to back up assertions of its own with acceptable evidence,” and also made clear that “[where an] examiner’s ‘Response to Argument’ is not supported by evidence, facts or sound scientific reasoning, [then an] examiner has not established a *prima facie* case of lack of enablement under 35 U.S.C. § 112, first paragraph.” See id. at 1222 & 1223 (italics

in original). Here, it has not even been conclusorily asserted that undue experimentation would be required.

It is believed and respectfully submitted that a person of reasonable skill in the art could without undue experimentation make and/or use the casting die as recited in the present claims. Figure 3 shows cooling bore holes that are smaller, spaced closer to each and to the cooling surface in the portion of the casting die between lines B and C. Notwithstanding the above, Figure 3 has been amended to clarify the spacing, size and location of the cooling bore holes. It is therefore respectfully submitted that claims 1 to 7, 10 to 12 and 14 to 16 satisfy the requirements of 35 U.S.C. § 112. Therefore, withdrawal of the 35 U.S.C. § 112 rejection and allowance of these claims are respectfully requested.

**VI. Rejection of Claims 1 to 7, 10 to 12 and 14 to 16**  
**under 35 U.S.C. §112, 2<sup>nd</sup> ¶**

Claims 1 to 7, 10 to 12 and 14 to 16 were rejected under 35 U.S.C. § 112, second paragraph, as indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as their invention. Applicants respectfully submit that claims 1 to 7, 10 to 12 and 14 to 16 are allowable for the following reasons.

The second paragraph of 35 U.S.C. § 112 merely requires that the claims set out and circumscribe a particular subject matter with a reasonable degree of clarity and particularity. As provided in M.P.E.P. § 2173.02, the “focus during examination of claims for compliance with the requirement for definiteness of 35 U.S.C. 112, second paragraph is whether the claim meets the threshold requirement of clarity and precision.” In this regard, the “essential inquiry pertaining to this requirement is whether the claims set out and circumscribe a particular subject matter with a reasonable degree of clarity and particularity.” *Id.* (emphasis added). “Definiteness of claim language must be analyzed, not in a vacuum, but in light of [, *inter alia*, the] content of the particular application disclosure [ and the] claim interpretation that would be given by one possessing the ordinary level of skill in the pertinent art at the time the invention was made.” *Id.* If the claims, when read in light of the Specification, reasonably apprise those skilled in the art both of the utilization and scope of the invention, and if the language is as precise as the

subject matter permits, the second paragraph of 35 U.S.C. § 112 demands no more. M.P.E.P. § 2173.05(a) (citing *Shatterproof Glass Corp. v. Libbey Owens Ford Co.*, 758 F.2d 613, 225 U.S.P.Q. 634 (Fed. Cir. 1985)).

With regard to claim 1, the Office Action alleges that it is unclear what is meant by the limitation “at least one of running closer to the pouring surface, being configured narrower, and being spaced closer in at least one portion of the die body.” Applicants respectfully submit that claim 1 reasonably clearly conveys to one skilled in the art that the bore holes, consistent with the Examiners second asserted interpretation, at least one of (1) runs closer to the pouring surface, (2) is configured narrower, and/or (3) are spaced closer, in at least one portion of the die body.

The Office Action further alleges that it is unclear what is meant by the limitation “being configured narrower.” As indicated above, the ordinary definition of the verb to narrow is “to lessen in width or extent.” See attached p. 346 of the 1998 Merriam-Webster Dictionary. Therefore, Applicants submit that it would have been reasonably clear to one of ordinary skill in the art that bore holes configured narrower means bore holes having a smaller diameter. Applicants respectfully further submit that given the prior art does not disclose using narrower or smaller bore holes in at least one portion of the die body, Applicants are not required to further limit that claim language so as to detail whether the bore holes have a constant diameter or taper.

With regard to claims 1 and 16, the Office Action further alleges that it is unclear what is meant by the limitation “being spaced closer” or “being spaced at least 20% closer” for the description of the bore holes. Applicants respectfully submit that one skilled in the art would understand the above language to mean spacing between bore holes. Notwithstanding the above, to expedite prosecution, claim 1 has been amended to recite “being spaced closer to each other,” and claim 16 has been amended to recite “being spaced at least 20% closer to each other.” No new matter has been added. See, for example, original claim 13, which recites that the spacing of the cooling bore holes in the thermally and mechanically stressed areas is at least 20% less than in the horizontal adjoining areas of the bath surface. See also p. 5, lines 24 to 25, which states that the critical areas of the funnel transition may be provided with additional cooling bore holes.

The Office Action further alleges that the terms “thickness” in claim 11 and “reduced” in claim 10 are unclear. Specifically, the Office Action alleges that it is unclear whether the thickness are of a constant value or taper. As indicated above, given the state of the prior art, Applicants respectfully submit that Applicants are not required to limit these claims to further detail the type and manner of reduction of thickness.

With respect to claim 14, the Office Action alleges that the term “narrower” is deemed to mean “tapering in a conical manner.” Applicants respectfully disagree and submit that the ordinary definition of the verb “narrow” is “to lessen in width or extent.” See attached p. 346 of the 1998 Merriam-Webster Dictionary. Figures 4 and 5 have been amended to clearly show the reduction of width of the cooling grooves. Figures 4 and 5 show a cross section of the cooling grooves, which run parallel to the pouring direction. Cooling grooves positioned along the width of the casting die (Figure 3) in a thermally and mechanically stressed area, for example, between lines B and C, are narrower (Figure 4) along their length, i.e., have a smaller diameter, than in other portions (Figure 5) along the width of the casting die.

The Office Action further alleges that the recitation “funnel” in claim 14 lacks antecedent basis. Applicant respectfully submits that claim 14 has been amended to include antecedent basis for “funnel.”

In view of all of the foregoing, withdrawal of the rejection under 35 U.S.C. § 112 and allowance of claims 1 to 7, 10 to 12 and 14 to 16 are respectfully requested.

## **VII. Rejection of Claims 1, 10, 12 and 15 Under 35 U.S.C. § 102(b)**

Claims 1, 10, 12 and 15 were rejected under 35 U.S.C. § 102(b) as anticipated by U.S. Patent No. 3,595,302 (“Mallener”). Applicants respectfully submit that claims 1, 10, 12 and 15 are not rendered unpatentable by Mallener for the following reasons.

Claim 1 relates to a liquid-cooled casting die for continuous billet casting. Claim 1 recites that the casting die includes a form-giving casting die body (1) having at least one broad side wall with a pouring-surface for receiving molten metal in a pouring direction, a cooling-surface in contact with a cooling bath, the



pouring-surface and the cooling-surface defining a thickness. Claim 1 further recites that the cooling bore holes run parallel to the pouring direction and at least one of run closer to the pouring surface, are configured narrower, and are spaced closer to each other in at least one portion of the die body.

Mallener purportedly relates to a cooling structure for continuous-casting mold. The mold is stated to include mold plates having grooves 16 cut into the rear surface. See col. 2, lines 60 to 73. Nowhere, however, does Mallener disclose, or even suggest, cooling bore holes running parallel to the pouring direction and at least one of running closer to the pouring surface, being configured narrower, and being spaced closer to each other in at least one portion of the die body, as recited in amended claim 1. Therefore, Mallener does not disclose all of the limitations of claim 1.

The Office Action alleges that the grooves 16 qualify as the cooling bore holes. Respectfully, the Specification makes a clear distinction between cooling grooves or channels and bore holes. The term groove or channel is used when referring to the channel illustrated in Figures 4 and 5. The bore holes refer to holes drilled in the casting die between the channels, which is consistent with Figure 3 and original claim 15. Consistent with the above, when the Specification refers to features common to both the coolant grooves or channels and the bore holes it states "the same applies to the cooling bore holes." See p. 5, line 21. Therefore, the grooves 16 of Mallener do not qualify as a cooling bore hole, as recited in claim 1.

To anticipate a claim, each and every element as set forth in the claim must be found in a single prior art reference. *Verdegaal Bros. v. Union Oil Co. of Calif.*, 814 F.2d 628, 631, 2 U.S.P.Q.2d 1051, 1053 (Fed. Cir. 1987). Furthermore, "[t]he identical invention must be shown in as complete detail as is contained in the . . . claim." *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236, 9 U.S.P.Q.2d 1913, 1920 (Fed. Cir. 1989). That is, the prior art must describe the elements arranged as required by the claims. *In re Bond*, 910 F.2d 831, 15 U.S.P.Q.2d 1566 (Fed. Cir. 1990). As more fully set forth above, it is respectfully submitted that Mallener does not disclose, or even suggest, cooling bore holes running parallel to the pouring direction and at least one of running closer to the pouring surface, being configured narrower, and being spaced closer to each other in at least one portion

of the die body, as recited in amended claim 1. Therefore, Mallener does not anticipate claim 1. Accordingly, withdrawal of the 35 U.S.C. § 102(b) rejection and allowance of claim 1 is respectfully requested.

As for claims 10, 12 and 15, which ultimately depend from claim 1, and therefore include all the limitations of claim 1, it is respectfully submitted that Mallener does not anticipate these dependent claims for at least the same reasons given above in support of the patentability of claim 1. Accordingly, withdrawal of the 35 U.S.C. § 102(b) rejection and allowance of claims 10, 12 and 15 are respectfully requested.

**VIII. Rejection of Claims 1 to 7, 10 to 12 and 14 to 16 Under 35 U.S.C. § 102(e)**

Claims 1 to 7, 10 to 12 and 14 to 16 were rejected under 35 U.S.C. § 102(e) as anticipated by U.S. Patent No. 5,927,378 ("Grove et al."). Applicants respectfully submit that claims 1 to 7, 10 to 12 and 14 to 16 are not rendered unpatentable by Grove et al. for the following reasons.

Grove et al. purportedly relate to a continuous casting mold and method. The casting mold is stated to include die plates including cooling slots 36 defined in the mold liner assembly 30 for conducting heat away from the inner surface 32 of the mold liner assembly 30. See col. 3, lines 29 to 31.  $T_m$  is stated to be the thickness at the deepened slot portion 40 and  $T_b$  is stated to be the thickness at the deepened slot portion 38. See col. 3, lines 55 to 56. The distance  $T_b - T_m$  is stated to be varied along the horizontal extent of the mold so as to selectively direct enhanced cooling to certain portions of the inner surface of the mold liner assembly, and, to direct a diminished cooling effect to other portions of the mold liner assembly. See col. 3, line 66 to col. 4, line 4. Nowhere, however, do Grove et al. disclose, or even suggest, cooling bore holes running parallel to the pouring direction and at least one of running closer to the pouring surface, being configured narrower, and being spaced closer to each other in at least one portion of the die body, as recited in amended claim 1.

For the same reasons detailed above with respect to grooves of Mallener, Applicants respectfully submit that the cooling slots 36 of Grove et al. do not qualify as bore holes. Therefore, Grove et al. do not anticipate claim 1. Accordingly, withdrawal of the 35 U.S.C. § 102(e) rejection and allowance of claim 1

are respectfully requested.

As for claims 2 to 7, 10 to 12 and 14 to 16, which ultimately depend from claim 1, and therefore include all the limitations of claim 1, it is respectfully submitted that Grove et al. do not anticipate these dependent claims for at least the same reasons given above in support of the patentability of claim 1. Accordingly, withdrawal of the 35 U.S.C. § 102(e) rejection and allowance of claims 2 to 7, 10 to 12 and 14 to 16 are respectfully requested.

**IX. Rejection of Claims 1 to 5, 10, 12 and 15 Under 35 U.S.C. § 102(a)**

Claims 1 to 5, 10, 12 and 15 were rejected under 35 U.S.C. § 102(a) as anticipated by WO 97/43063 ("Stagge et al."). Applicants respectfully submit that claims 1 to 5, 10, 12 and 15 are not rendered unpatentable by Stagge et al. for the following reasons.

Stagge et al. purportedly relate to a liquid-cooled mold. Stagge et al. state the mold includes side walls 2 including groove-like coolant channels 10, which can be supplied with cool water. See Abstract and p. 6, third par. of the translation provided by the Examiner. Nowhere, however, do Stagge et al. disclose, or even suggest, cooling bore holes running parallel to the pouring direction and at least one of running closer to the pouring surface, being configured narrower, and being spaced closer to each other in at least one portion of the die body, as recited in amended claim 1.

For the same reasons detailed above with respect to the grooves of Mallener, Applicants respectfully submit that the cooling channels 10 of Stagge et al. do not qualify as bore holes. Therefore, Stagge et al. do not anticipate claim 1. Accordingly, withdrawal of the 35 U.S.C. § 102(a) rejection and allowance of claim 1 are respectfully requested.

As for claims 2 to 5, 10, 12 and 15, which ultimately depend from claim 1, and therefore include all the limitations of claim 1, it is respectfully submitted that Stagge et al. do not anticipate these dependent claims for at least the same reasons given above in support of the patentability of claim 1. Accordingly, withdrawal of the 35 U.S.C. § 102(a) rejection and allowance of claims 2 to 5, 10, 12 and 15 are respectfully requested.

**X. Conclusion**

It is therefore respectfully submitted that all of the presently pending claims are allowable. All issues raised by the Examiner having been addressed, an early and favorable action on the merits is earnestly solicited.

Respectfully submitted,

Dated: July 6, 2004

By: 

KENYON & KENYON

By: Richard M. Rosati

Reg. No. 31,792

One Broadway

New York, New York 10004

(212) 425-7200

**CUSTOMER NO. 26646**

## naivety • natal

**naivety** also **naïvety** \nā-'ē-vā-tē\ *n*, *pl* -ties: NAÏVE-TÉ

**na-ked** \nā-kəd\ *adj* 1: having no clothes on: NUDE 2: UNSHEATHED (a ~ sword) 3: lacking a usual or natural covering (as of foliage or feathers) 4: PLAIN, UNADORNED (the ~ truth) 5: not aided by artificial means (seen by the ~ eye) — **na-ked-ly** *adv* — **na-ked-ness** *n*

**nam-by-pam-by** \nam-bē-'pam-bē\ *adj* 1: INSIPID 2: WEAK, INDECISIVE *syn* bland, flat, inane, jejune, vapid, wishy-washy

**name** \nām\ *n* 1: a word or words by which a person or thing is known 2: a disparaging epithet (call him ~s) 3: REPUTATION; *esp*: distinguished reputation (made a ~ for herself) 4: FAMILY, CLAN (was a disgrace to their ~) 5: appearance as opposed to reality (a friend in ~ only)

**name** *vb* **named**; **nam-ing** 1: to give a name to: CALL 2: to mention or identify by name 3: NOMINATE, APPOINT 4: to decide on: CHOOSE 5: to mention explicitly: SPECIFY (~ a price) — **name-able** *adj*

**name** *adj* 1: of, relating to, or bearing a name (~ tag) 2: having an established reputation (~ brands)

**name day** *n*: the church feast day of the saint after whom one is named

**name-less** \nām-ləs\ *adj* 1: having no name 2: not marked with a name (a ~ grave) 3: not known by name (a ~ hero) 4: too distressing to be described (~ fears) — **name-less-ly** *adv*

**name-ly** \lē\ *adv*: that is to say: AS (the cat family, ~, lions, tigers, and similar animals)

**name-plate** \-plāt\ *n*: a plate or plaque bearing a name (as of a resident)

**namesake** \-sāk\ *n*: one that has the same name as another; *esp*: one named after another

**Na-mib-ian** \nā-'mī-bē-ən, -byən\ *n*: a native or inhabitant of Namibia — **Namibian** *adj*

**nan-keen** \nan-'kēn\ *n*: a durable brownish yellow cotton fabric orig. woven by hand in China

**nan-ny goat** \nā-nē-\ *n*: a female domestic goat

**nano-me-ter** \nā-nō-'mē-tər\ *n*: one billionth of a meter

**nano-second** \-se-kənd\ *n*: one billionth of a second

**nap** \nap\ *vb* **napped**; **nap-ping** 1: to sleep briefly *esp*. during the day: DOZE 2: to be off guard (was caught *napping*)

**nap** *n*: a short sleep *esp*. during the day

**nap** *n*: a soft downy fibrous surface (as on yarn and cloth) — **nap-less** *adj* — **napped** \napt\ *adj*

**na-palm** \nā-'pālm, -pām\ *n* [naphthalene + *palmitate*, salt of a fatty acid] 1: a thickener used in jelling gasoline (as for incendiary bombs) 2: fuel jelled with napalm

**nape** \nāp, 'nap\ *n*: the back of the neck

**na-pery** \nā-pə-rē\ *n*: household linen *esp*. for the table

**naph-tha** \naf-thə, 'nap-\ *n*: any of various liquid hydrocarbon mixtures used chiefly as solvents

**naph-tha-lene** \-lēn\ *n*: a crystalline substance used *esp*. in organic synthesis and as a moth repellent

**nap-kin** \nap-kən\ *n* 1: a piece of material (as cloth) used at table to wipe the lips or fingers and protect the clothes 2: a small cloth or towel

**na-po-leon** \nā-'pōl-yən, -'pō-lē-ən\ *n*: an oblong pastry with a filling of cream, custard, or jelly

**Na-po-le-on-ic** \nā-'pō-lē-'ā-nik\ *adj*: of, relating to, or characteristic of Napoleon I or his family

**narc** also **nark** \nārk\ *n*, *slang*: a person (as a government agent) who investigates narcotics violations

**nar-cis-sism** \nār-sə-'sī-zəm\ *n* [G *Narzissismus*, fr. *Narziss* Narcissus, beautiful youth of Greek mythology who fell in love with his own image] 1: undue dwelling on one's own self or attainments 2: love of or sexual desire for one's own body — **nar-cis-sist** \-sist\ *n* or *adj* — **nar-cis-sis-tic** \nār-sə-'sī-sīk\ *adj*

**nar-cis-sus** \nār-'sī-səs\ *n*, *pl* -cissus or -cissuses or

-cis-si \-sī, -sē\ : DAFFODIL; *esp*: one with short-tubed flowers usu. borne separately

**nar-co-sis** \nār-'kō-səs\ *n*, *pl* -coses \-sēz\ : a state of stupor, unconsciousness, or arrested activity produced by the influence of chemicals (as narcotics)

**nar-cotic** \nār-'kā-tik\ *n* [ME *narkotik*, fr. MF *narcotique*, fr. *narcotique*, *adj.*, fr. ML *narcoticus*, fr. Gk *narkōtikos*, fr. *narkoun* to numb, fr. *narki* numbness] : a drug (as opium) that dulls the senses and induces sleep — **narcotic** *adj*

**nar-co-tize** \nār-kə-'tiz\ *vb* -tized; -tizing 1: to treat with or subject to a narcotic; also: to put into a state of narcosis 2: to soothe to unconsciousness or unawareness

**nard** \nārd\ *n*: a fragrant ointment of the ancients

**na-res** \nar-(ə)'ēz\ *n* *pl* [L]: the pair of openings of the nose

**Nar-ra-gan-set** \nar-'ə-'gan-sət\ *n*, *pl* Narraganset or Narragansets: a member of an American Indian people of Rhode Island

**nar-rate** \nar-'āt\ *vb* **nar-rated**; **nar-rating**: to recite the details of (as a story): RELATE, TELL — **nar-ration** \nā-'rā-shən\ *n* — **nar-rator** \nar-'ā-tər\ *n*

**nar-ra-tive** \nar-'ə-tiv\ *n* 1: something that is narrated: STORY 2: the art or practice of narrating

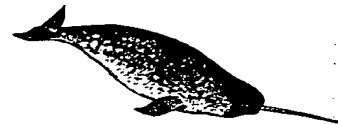
**nar-row** \nar-'ō\ *adj* 1: of slender or less than standard width 2: limited in size or scope: RESTRICTED 3: not liberal in views: PREJUDICED 4: interpreted or interpreting strictly 5: CLOSE (won by a ~ margin); also: barely successful (a ~ escape) — **nar-row-ly** *adv* — **nar-row-ness** *n*

**narrow** *n*: a narrow passage: STRAIT — *usu.* used *pl*

**narrow** *vb*: to lessen in width or extent

**nar-row-mind-ed** \nar-'ō-'mīn-dəd\ *adj*: not liberal or broad-minded *syn* illiberal, bigoted, hidebound, intolerant

**nar-whal** \nār-'hwāl, 'nār-wəl\ *n*: an arctic sea mammal about 20 feet (6 meters) long that is related to the dolphins and in the male has a long twisted ivory tusk



narwhal

**NAS** *abbr* naval air station

**NASA** \nā-sə\ *abbr* National Aeronautics and Space Administration

**na-sal** \nā-zəl\ *n* 1: a nasal part 2: a nasal consonant or vowel

**na-sal** *adj* 1: of or relating to the nose 2: uttered through the nose — **na-sal-ly** *adv*

**na-sal-ize** \nā-zə-'līz\ *vb* -ized; -izing: to make nasal or pronounce as a nasal sound — **na-sal-iza-tion** \nā-zə-'lā-'zā-shən\ *n*

**na-scent** \nas-'nt, 'nās-\ *adj*: coming into existence: beginning to grow or develop — **na-scent-ly** *adv*

**nas-tur-tium** \nā-'stər-shəm, nā-\ *n*: either of two widely cultivated watery-stemmed herbs with short-spurred flowers and pungent seeds

**nas-ty** \nas-tē\ *adj* **nas-ti-er**; -est 1: FILTHY 2: OFFENSIVE, OBSCENE 3: HARMFUL, DANGEROUS (look ~ fall) 4: DISAGREEABLE (~ weather) 5: MEAN, UNFAIR (~ problem) 7: UNFAIR, DIRTY (a ~ trick)

**nat** *abbr* 1 national 2 native 3 natural

**nat-al** \nāt-'əl\ *adj* 1: NATIVE 2: of, relating to, or present at birth

**na-ta-to-ri-um** \nā-tə-'pōl esp. indoors

**na-tion** \nā-shən\ *n* 1: *nation*, *natio* birth: 1: NATIONALITY 3: nationality 2: a community or more nationalities

**na-tion-al** \nā-shə-nəl\ *adj* 1: of, relating to, or characteristic of a nation 2: of, relating to, or characteristic of a nation 3: of, relating to, or characteristic of a nation 4: of, relating to, or characteristic of a nation 5: of, relating to, or characteristic of a nation 6: of, relating to, or characteristic of a nation 7: of, relating to, or characteristic of a nation 8: of, relating to, or characteristic of a nation 9: of, relating to, or characteristic of a nation 10: of, relating to, or characteristic of a nation 11: of, relating to, or characteristic of a nation 12: of, relating to, or characteristic of a nation 13: of, relating to, or characteristic of a nation 14: of, relating to, or characteristic of a nation 15: of, relating to, or characteristic of a nation 16: of, relating to, or characteristic of a nation 17: of, relating to, or characteristic of a nation 18: of, relating to, or characteristic of a nation 19: of, relating to, or characteristic of a nation 20: of, relating to, or characteristic of a nation 21: of, relating to, or characteristic of a nation 22: of, relating to, or characteristic of a nation 23: of, relating to, or characteristic of a nation 24: of, relating to, or characteristic of a nation 25: of, relating to, or characteristic of a nation 26: of, relating to, or characteristic of a nation 27: of, relating to, or characteristic of a nation 28: of, relating to, or characteristic of a nation 29: of, relating to, or characteristic of a nation 30: of, relating to, or characteristic of a nation 31: of, relating to, or characteristic of a nation 32: of, relating to, or characteristic of a nation 33: of, relating to, or characteristic of a nation 34: of, relating to, or characteristic of a nation 35: of, relating to, or characteristic of a nation 36: of, relating to, or characteristic of a nation 37: of, relating to, or characteristic of a nation 38: of, relating to, or characteristic of a nation 39: of, relating to, or characteristic of a nation 40: of, relating to, or characteristic of a nation 41: of, relating to, or characteristic of a nation 42: of, relating to, or characteristic of a nation 43: of, relating to, or characteristic of a nation 44: of, relating to, or characteristic of a nation 45: of, relating to, or characteristic of a nation 46: of, relating to, or characteristic of a nation 47: of, relating to, or characteristic of a nation 48: of, relating to, or characteristic of a nation 49: of, relating to, or characteristic of a nation 50: of, relating to, or characteristic of a nation 51: of, relating to, or characteristic of a nation 52: of, relating to, or characteristic of a nation 53: of, relating to, or characteristic of a nation 54: of, relating to, or characteristic of a nation 55: of, relating to, or characteristic of a nation 56: of, relating to, or characteristic of a nation 57: of, relating to, or characteristic of a nation 58: of, relating to, or characteristic of a nation 59: of, relating to, or characteristic of a nation 60: of, relating to, or characteristic of a nation 61: of, relating to, or characteristic of a nation 62: of, relating to, or characteristic of a nation 63: of, relating to, or characteristic of a nation 64: of, relating to, or characteristic of a nation 65: of, relating to, or characteristic of a nation 66: of, relating to, or characteristic of a nation 67: of, relating to, or characteristic of a nation 68: of, relating to, or characteristic of a nation 69: of, relating to, or characteristic of a nation 70: of, relating to, or characteristic of a nation 71: of, relating to, or characteristic of a nation 72: of, relating to, or characteristic of a nation 73: of, relating to, or characteristic of a nation 74: of, relating to, or characteristic of a nation 75: of, relating to, or characteristic of a nation 76: of, relating to, or characteristic of a nation 77: of, relating to, or characteristic of a nation 78: of, relating to, or characteristic of a nation 79: of, relating to, or characteristic of a nation 80: of, relating to, or characteristic of a nation 81: of, relating to, or characteristic of a nation 82: of, relating to, or characteristic of a nation 83: of, relating to, or characteristic of a nation 84: of, relating to, or characteristic of a nation 85: of, relating to, or characteristic of a nation 86: of, relating to, or characteristic of a nation 87: of, relating to, or characteristic of a nation 88: of, relating to, or characteristic of a nation 89: of, relating to, or characteristic of a nation 90: of, relating to, or characteristic of a nation 91: of, relating to, or characteristic of a nation 92: of, relating to, or characteristic of a nation 93: of, relating to, or characteristic of a nation 94: of, relating to, or characteristic of a nation 95: of, relating to, or characteristic of a nation 96: of, relating to, or characteristic of a nation 97: of, relating to, or characteristic of a nation 98: of, relating to, or characteristic of a nation 99: of, relating to, or characteristic of a nation 100: of, relating to, or characteristic of a nation 101: of, relating to, or characteristic of a nation 102: of, relating to, or characteristic of a nation 103: of, relating to, or characteristic of a nation 104: of, relating to, or characteristic of a nation 105: of, relating to, or characteristic of a nation 106: of, relating to, or characteristic of a nation 107: of, relating to, or characteristic of a nation 108: of, relating to, or characteristic of a nation 109: of, relating to, or characteristic of a nation 110: of, relating to, or characteristic of a nation 111: of, relating to, or characteristic of a nation 112: of, relating to, or characteristic of a nation 113: of, relating to, or characteristic of a nation 114: of, relating to, or characteristic of a nation 115: of, relating to, or characteristic of a nation 116: of, relating to, or characteristic of a nation 117: of, relating to, or characteristic of a nation 118: of, relating to, or characteristic of a nation 119: of, relating to, or characteristic of a nation 120: of, relating to, or characteristic of a nation 121: of, relating to, or characteristic of a nation 122: of, relating to, or characteristic of a nation 123: of, relating to, or characteristic of a nation 124: of, relating to, or characteristic of a nation 125: of, relating to, or characteristic of a nation 126: of, relating to, or characteristic of a nation 127: of, relating to, or characteristic of a nation 128: of, relating to, or characteristic of a nation 129: of, relating to, or characteristic of a nation 130: of, relating to, or characteristic of a nation 131: of, relating to, or characteristic of a nation 132: of, relating to, or characteristic of a nation 133: of, relating to, or characteristic of a nation 134: of, relating to, or characteristic of a nation 135: of, relating to, or characteristic of a nation 136: of, relating to, or characteristic of a nation 137: of, relating to, or characteristic of a nation 138: of, relating to, or characteristic of a nation 139: of, relating to, or characteristic of a nation 140: of, relating to, or characteristic of a nation 141: of, relating to, or characteristic of a nation 142: of, relating to, or characteristic of a nation 143: of, relating to, or characteristic of a nation 144: of, relating to, or characteristic of a nation 145: of, relating to, or characteristic of a nation 146: of, relating to, or characteristic of a nation 147: of, relating to, or characteristic of a nation 148: of, relating to, or characteristic of a nation 149: of, relating to, or characteristic of a nation 150: of, relating to, or characteristic of a nation 151: of, relating to, or characteristic of a nation 152: of, relating to, or characteristic of a nation 153: of, relating to, or characteristic of a nation 154: of, relating to, or characteristic of a nation 155: of, relating to, or characteristic of a nation 156: of, relating to, or characteristic of a nation 157: of, relating to, or characteristic of a nation 158: of, relating to, or characteristic of a nation 159: of, relating to, or characteristic of a nation 160: of, relating to, or characteristic of a nation 161: of, relating to, or characteristic of a nation 162: of, relating to, or characteristic of a nation 163: of, relating to, or characteristic of a nation 164: of, relating to, or characteristic of a nation 165: of, relating to, or characteristic of a nation 166: of, relating to, or characteristic of a nation 167: of, relating to, or characteristic of a nation 168: of, relating to, or characteristic of a nation 169: of, relating to, or characteristic of a nation 170: of, relating to, or characteristic of a nation 171: of, relating to, or characteristic of a nation 172: of, relating to, or characteristic of a nation 173: of, relating to, or characteristic of a nation 174: of, relating to, or characteristic of a nation 175: of, relating to, or characteristic of a nation 176: of, relating to, or characteristic of a nation 177: of, relating to, or characteristic of a nation 178: of, relating to, or characteristic of a nation 179: of, relating to, or characteristic of a nation 180: of, relating to, or characteristic of a nation 181: of, relating to, or characteristic of a nation 182: of, relating to, or characteristic of a nation 183: of, relating to, or characteristic of a nation 184: of, relating to, or characteristic of a nation 185: of, relating to, or characteristic of a nation 186: of, relating to, or characteristic of a nation 187: of, relating to, or characteristic of a nation 188: of, relating to, or characteristic of a nation 189: of, relating to, or characteristic of a nation 190: of, relating to, or characteristic of a nation 191: of, relating to, or characteristic of a nation 192: of, relating to, or characteristic of a nation 193: of, relating to, or characteristic of a nation 194: of, relating to, or characteristic of a nation 195: of, relating to, or characteristic of a nation 196: of, relating to, or characteristic of a nation 197: of, relating to, or characteristic of a nation 198: of, relating to, or characteristic of a nation 199: of, relating to, or characteristic of a nation 200: of, relating to, or characteristic of a nation 201: of, relating to, or characteristic of a nation 202: of, relating to, or characteristic of a nation 203: of, relating to, or characteristic of a nation 204: of, relating to, or characteristic of a nation 205: of, relating to, or characteristic of a nation 206: of, relating to, or characteristic of a nation 207: of, relating to, or characteristic of a nation 208: of, relating to, or characteristic of a nation 209: of, relating to, or characteristic of a nation 210: of, relating to, or characteristic of a nation 211: of, relating to, or characteristic of a nation 212: of, relating to, or characteristic of a nation 213: of, relating to, or characteristic of a nation 214: of, relating to, or characteristic of a nation 215: of, relating to, or characteristic of a nation 216: of, relating to, or characteristic of a nation 217: of, relating to, or characteristic of a nation 218: of, relating to, or characteristic of a nation 219: of, relating to, or characteristic of a nation 220: of, relating to, or characteristic of a nation 221: of, relating to, or characteristic of a nation 222: of, relating to, or characteristic of a nation 223: of, relating to, or characteristic of a nation 224: of, relating to, or characteristic of a nation 225: of, relating to, or characteristic of a nation 226: of, relating to, or characteristic of a nation 227: of, relating to, or characteristic of a nation 228: of, relating to, or characteristic of a nation 229: of, relating to, or characteristic of a nation 230: of, relating to, or characteristic of a nation 231: of, relating to, or characteristic of a nation 232: of, relating to, or characteristic of a nation 233: of, relating to, or characteristic of a nation 234: of, relating to, or characteristic of a nation 235: of, relating to, or characteristic of a nation 236: of, relating to, or characteristic of a nation 237: of, relating to, or characteristic of a nation 238: of, relating to, or characteristic of a nation 239: of, relating to, or characteristic of a nation 240: of, relating to, or characteristic of a nation 241: of, relating to, or characteristic of a nation 242: of, relating to, or characteristic of a nation 243: of, relating to, or characteristic of a nation 244: of, relating to, or characteristic of a nation 245: of, relating to, or characteristic of a nation 246: of, relating to, or characteristic of a nation 247: of, relating to, or characteristic of a nation 248: of, relating to, or characteristic of a nation 249: of, relating to, or characteristic of a nation 250: of, relating to, or characteristic of a nation 251: of, relating to, or characteristic of a nation 252: of, relating to, or characteristic of a nation 253: of, relating to, or characteristic of a nation 254: of, relating to, or characteristic of a nation 255: of, relating to, or characteristic of a nation 256: of, relating to, or characteristic of a nation 257: of, relating to, or characteristic of a nation 258: of, relating to, or characteristic of a nation 259: of, relating to, or characteristic of a nation 260: of, relating to, or characteristic of a nation 261: of, relating to, or characteristic of a nation 262: of, relating to, or characteristic of a nation 263: of, relating to, or characteristic of a nation 264: of, relating to, or characteristic of a nation 265: of, relating to, or characteristic of a nation 266: of, relating to, or characteristic of a nation 267: of, relating to, or characteristic of a nation 268: of, relating to, or characteristic of a nation 269: of, relating to, or characteristic of a nation 270: of, relating to, or characteristic of a nation 271: of, relating to, or characteristic of a nation 272: of, relating to, or characteristic of a nation 273: of, relating to, or characteristic of a nation 274: of, relating to, or characteristic of a nation 275: of, relating to, or characteristic of a nation 276: of, relating to, or characteristic of a nation 277: of, relating to, or characteristic of a nation 278: of, relating to, or characteristic of a nation 279: of, relating to, or characteristic of a nation 280: of, relating to, or characteristic of a nation 281: of, relating to, or characteristic of a nation 282: of, relating to, or characteristic of a nation 283: of, relating to, or characteristic of a nation 284: of, relating to, or characteristic of a nation 285: of, relating to, or characteristic of a nation 286: of, relating to, or characteristic of a nation 287: of, relating to, or characteristic of a nation 288: of, relating to, or characteristic of a nation 289: of, relating to, or characteristic of a nation 290: of, relating to, or characteristic of a nation 291: of, relating to, or characteristic of a nation 292: of, relating to, or characteristic of a nation 293: of, relating to, or characteristic of a nation 294: of, relating to, or characteristic of a nation 295: of, relating to, or characteristic of a nation 296: of, relating to, or characteristic of a nation 297: of, relating to, or characteristic of a nation 298: of, relating to, or characteristic of a nation 299: of, relating to, or characteristic of a nation 300: of, relating to, or characteristic of a nation 301: of, relating to, or characteristic of a nation 302: of, relating to, or characteristic of a nation 303: of, relating to, or characteristic of a nation 304: of, relating to, or characteristic of a nation 305: of, relating to, or characteristic of a nation 306: of, relating to, or characteristic of a nation 307: of, relating to, or characteristic of a nation 308: of, relating to, or characteristic of a nation 309: of, relating to, or characteristic of a nation 310: of, relating to, or characteristic of a nation 311: of, relating to, or characteristic of a nation 312: of, relating to, or characteristic of a nation 313: of, relating to, or characteristic of a nation 314: of, relating to, or characteristic of a nation 315: of, relating to, or characteristic of a nation 316: of, relating to, or characteristic of a nation 317: of, relating to, or characteristic of a nation 318: of, relating to, or characteristic of a nation 319: of, relating to, or characteristic of a nation 320: of, relating to, or characteristic of a nation 321: of, relating to, or characteristic of a nation 322: of, relating to, or characteristic of a nation 323: of, relating to, or characteristic of a nation 324: of, relating to, or characteristic of a nation 325: of, relating to, or characteristic of a nation 326: of, relating to, or characteristic of a nation 327: of, relating to, or characteristic of a nation 328: of, relating to, or characteristic of a nation 329: of, relating to, or characteristic of a nation 330: of, relating to, or characteristic of a nation 331: of, relating to, or characteristic of a nation 332: of, relating to, or characteristic of a nation 333: of, relating to, or characteristic of a nation 334: of, relating to, or characteristic of a nation 335: of, relating to, or characteristic of a nation 336: of, relating to, or characteristic of a nation 337: of, relating to, or characteristic of a nation 338: of, relating to, or characteristic of a nation 339: of, relating to, or characteristic of a nation 340: of, relating to, or characteristic of a nation 341: of, relating to, or characteristic of a nation 342: of, relating to, or characteristic of a nation 343: of, relating to, or characteristic of a nation 344: of, relating to, or characteristic of a nation 345: of, relating to, or characteristic of a nation 346: of, relating to, or characteristic of a nation 347: of, relating to, or characteristic of a nation 348: of, relating to, or characteristic of a nation 349: of, relating to, or characteristic of a nation 350: of, relating to, or characteristic of a nation 351: of, relating to, or characteristic of a nation 352: of, relating to, or characteristic of a nation 353: of, relating to, or characteristic of a nation 354: of, relating to, or characteristic of a nation 355: of, relating to, or characteristic of a nation 356: of, relating to, or characteristic of a nation 357: of, relating to, or characteristic of a nation 358: of, relating to, or characteristic of a nation 359: of, relating to, or characteristic of a nation 360: of, relating to, or characteristic of a nation 361: of, relating to, or characteristic of a nation 362: of, relating to, or characteristic of a nation 363: of, relating to, or characteristic of a nation 364: of, relating to, or characteristic of a nation 365: of, relating to, or characteristic of a nation 366: of, relating to, or characteristic of a nation 367: of, relating to, or characteristic of a nation 368: of, relating to, or characteristic of a nation 369: of, relating to, or characteristic of a nation 370: of, relating to, or characteristic of a nation 371: of, relating to, or characteristic of a nation 372: of, relating to, or characteristic of a nation 373: of, relating to, or characteristic of a nation 374: of, relating to, or characteristic of a nation 375: of, relating to, or characteristic of a nation 376: of, relating to, or characteristic of a nation 377: of, relating to, or characteristic of a nation 378: of, relating to, or characteristic of a nation 379: of, relating to, or characteristic of a nation 380: of, relating to, or characteristic of a nation 381: of, relating to, or characteristic of a nation 382: of, relating to, or characteristic of a nation 383: of, relating to, or characteristic of a nation 384: of, relating to, or characteristic of a nation 385: of, relating to, or characteristic of a nation 386: of, relating to, or characteristic of a nation 387: of, relating to, or characteristic of a nation 388: of, relating to, or characteristic of a nation 389: of, relating to, or characteristic of a nation 390: of, relating to, or characteristic of a nation 391: of, relating to, or characteristic of a nation 392: of, relating to, or characteristic of a nation 393: of, relating to, or characteristic of a nation 394: of, relating to, or characteristic of a nation 395: of, relating to, or characteristic of a nation 396: of, relating to, or characteristic of a nation 397: of, relating to, or characteristic of a nation 398: of, relating to, or characteristic of a nation 399: of, relating to, or characteristic of a nation 400: of, relating to, or characteristic of a nation 401: of, relating to, or characteristic of a nation 402: of, relating to, or characteristic of a nation 403: of, relating to, or characteristic of a nation 404: of, relating to, or characteristic of a nation 405: of, relating to, or characteristic of a nation 406: of, relating to, or characteristic of a nation 407: of, relating to, or characteristic of a nation 408: of, relating to, or characteristic of a nation 409: of, relating to, or characteristic of a nation 410: of, relating to, or characteristic of a nation 411: of, relating to, or characteristic of a nation 412: of, relating to, or characteristic of a nation 413: of, relating to, or characteristic of a nation 414: of, relating to, or characteristic of a nation 415: of, relating to, or characteristic of a nation 416: of, relating to, or characteristic of a nation 417: of, relating to, or characteristic of a nation 418: of, relating to, or characteristic of a nation 419: of, relating to, or characteristic of a nation 420: of, relating to, or characteristic of a nation 421: of, relating to, or characteristic of a nation 422: of, relating to, or characteristic of a nation 423: of, relating to, or characteristic of a nation 424: of, relating to, or characteristic of a nation 425: of, relating to, or characteristic of a nation 426: of, relating to, or characteristic of a nation 427: of, relating to, or characteristic of a nation 428: of, relating to, or characteristic of a nation 429: of, relating to, or characteristic of a nation 430: of, relating to, or characteristic of a nation 431: of, relating to, or characteristic of a nation 432: of, relating to, or characteristic of a nation 433: of, relating to, or characteristic of a nation 434: of, relating to, or characteristic of a nation 435: of, relating to, or characteristic of a nation 436: of, relating to, or characteristic of a nation 437: of, relating to, or characteristic of a nation 438: of, relating to, or characteristic of a nation 439: of, relating to, or characteristic of a nation 440: of, relating to, or characteristic of a nation 441: of, relating to, or characteristic of a nation 442: of, relating to, or characteristic of a nation 443: of, relating to, or characteristic of a nation 444: of, relating to, or characteristic of a nation 445: of, relating to, or characteristic of a nation 446: of, relating to, or characteristic of a nation 447: of, relating to, or characteristic of a nation 448: of, relating to, or characteristic of a nation 449: of, relating to, or characteristic of a nation 450: of, relating to, or characteristic of a nation 451: of, relating to, or characteristic of a nation 452: of, relating to, or characteristic of a nation 453: of, relating to, or characteristic of a nation 454: of, relating to, or characteristic of a nation 455: of, relating to, or characteristic of a nation 456: of, relating to, or characteristic of a nation 457: of, relating to, or characteristic of a nation 458: of, relating to, or characteristic of a nation 459: of, relating to, or characteristic of a nation 460: of, relating to, or characteristic of a nation 461: of, relating to, or characteristic of a nation 462: of, relating to, or characteristic of a nation 463: of, relating to, or characteristic of a nation 464: of, relating to, or characteristic of a nation 465: of, relating to, or characteristic of a nation 466: of, relating to, or characteristic of a nation 467: of, relating to, or characteristic of a nation 468: of, relating to, or characteristic of a nation 469: of, relating to, or characteristic of a nation 470: of, relating to, or characteristic of a nation 471: of, relating to, or characteristic of a nation 472: of, relating to, or characteristic of a nation 473: of, relating to, or characteristic of a nation 474: of, relating to, or characteristic of a nation 475: of, relating to, or characteristic of a nation 476: of, relating to, or characteristic of a nation 477: of, relating to